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U. S. FOREST PRODUCTS LABORATORY
MADISON, WISCONSIN.

LIST OF PUBLICATIONS JANUARY 1 TO JUNE 30, 1937

Publications available for distribution at the Laboratory are marked with an asterisk (*), but blanket requests for all available publications will not be filled except where need is evident. Publications not marked with an asterisk are available as noted after the title.

Trade journals and magazines referred to, if not available in your local library, may be obtained from publishers listed on the last page.

CHEMISTRY OF WOOD AND DERIVED PRODUCTS

Chemical composition of wood, by W. G. VanBeekum and G. J. Ritter.
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*Research in wood: Controlling the shrinking and swelling of wood, by
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Same. Shrinking and swelling of wood reduced by synthesizing within
the wood. Modern Plastics, Apr. 1937.

*Forest Products Laboratory's work on plastics from wood lignin. Mimeo.
Rl134, Apr. 16, 1937.

Molecular properties of lignin solutions from viscosity, osmotic pressure,
boiling-point raising, diffusion, and spreading measurement, by
D. L. Loughborough and A. J. Stamm. Jour. Physical Chem., Dec. 1936.

*Pretreatment of wood with hot dilute acid: Effect of lignin values, by
W. E. Cohen and E. E. Harris. Indus. & Eng. Chem. (Analyt. Edition),
May 15, 1937.

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Slash pine oleoresin, by J. A. Hall. Indus. & Eng. Chem., June 1937.

*Some toxicity data and their practical significance, by Ernest Bateman
and R. H. Baechler. Amer. Wood-Preservers' Assn. Proceedings, 1937.

Sulfate turpentine, its present and potential production, by J. A. Hall.
Gamble's International Naval Stores Yearbook, 1937-38.

White oak holocellulose, by C. D. Bird and G. J. Ritter. Jour. Amer.
Chem. Soc., May 1937.

*The manufacture of rayon or cellulose silk. Technical Note 217, revised
Jan. 1937.

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*Some interesting facts about paint complaints, by F. L. Browne. South.
Lumberman, Mar. 1, 1937.

Same. Pacific Retail Lumberman, June 1937.

Buy house paint for a planned maintenance program, by F. L. Browne.
Pacific Purchaser, Feb. 1937.

*Program of paint maintenance for the frame house: Wisely planned maintenance guards against expensive disappointments. Mimeo. R1127, Apr. 1937.

Same. Have you a paint maintenance program? Amer. Home., Apr. 1937.

MECHANICAL PROPERTIES OF WOOD

*Strength and related properties of 5 foreign woods, by G. E. Heck.
Furniture Index, Mar. 1937.

Same. Madison Laboratory makes interesting physical tests of 5 foreign woods. Hardwood Record, Apr. 1937.

PULP AND PAPER

*Effect of varying the concentration of combined sulphur dioxide in soda base sulphite pulping, by G. H. Chidester and P. S. Billington.
Paper Trade Jour. Feb. 11, 1937.

Same. Pulp and Paper Magazine of Canada, Feb. 1937.

*List of references on tallol, liquid rosin, or sulphate black liquor soap, by M. W. Bray and L. H. Smith. Mimeograph R1129, Apr. 1937.

*Sorpton of water vapor by papermaking materials: Pt. 3, Hysteresis in the sorption of water vapor by papermaking materials, by C. O. Seborg. Mimeo. R1137, Feb. 1937.

Same. Indus. & Eng. Chem., Feb. 1937.

*Pollution of streams from pulp and paper mills, by C. E. Curran. North American Wildlife Conference Proceedings, Feb. 3-7, 1936.

SEASONING OF WOOD

*Controlling moisture changes in lumber in closed storage sheds, by J. S. Mathewson. Timberman, Feb. 1937.

Same. Automatically controlling lumber storage conditions. Canadian Woodworker & Furniture Manufacturer, Mar. 1937.

Same. Electrically controlling lumber storage conditions, Elect. News & Eng., May 15, 1937.

Same. Moisture fluctuation in stored lumber can be electrically controlled. Hardwood Record, Jan. 1937.

Seasoning transverse tree sections without checking, by R. C. Rietz. Jour. Forestry, Mar. 1937.

Same. Indus. Education Magazine, Jan. 1937.

WOOD IN CONSTRUCTION

Condensation in walls and attics during cold weather, by L. V. Teesdale. Ill. Soc. Architects Monthly Bul. 21, Apr.-May 1937.

- *Behavior of frame construction in the 1937 Ohio River flood, by R. F. Luxford and E. C. O. Erickson. Amer. Lumberman, May 22, 1937.
- Same. South. Lumberman, June 1, 1937.
- Same. Anchored foundations prove worth in recent floods. Amer. Bldr. & Bldg. Age., June 1937.
- Same. Frame construction in the 1937 Ohio River flood. Wood Construction, May 15, 1937.

Prefabricated houses, by L. J. Markwardt. Wisconsin Engineer, May 1937.

WOOD PATHOLOGY

Temperatures necessary to kill fungi in wood, by Mae (Spradling) Chidester. Amer. Wood-Preservers' Assn. Proceedings, 1937.

The doubtful identity of fungus No. 517, by C. Audrey Richards. Amer. Wood-Preservers' Assn. Proceedings, 1937.

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International termite exposure test: 8th Progress Report, by G. M. Hunt and T. E. Synder. Amer. Wood-Preservers' Assn. Proceedings, 1937.

*The life of your house is up to you, by G. M. Hunt. Amer. Forests, May 1937.

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Review of Technologie des holzes (by Franz Kollman), by Arthur Koehler. Indus. & Eng. Chemistry (News Edition), Mar. 20, 1937.

Same. Jour. Forestry, May 1937.

Should quantity or quality be the goal of our forestry? by Arthur Koehler. Forestry News Digest, Mar. 1937.

Structure, occurrence, and properties of compression wood, by M. Y. Pillow and R. F. Luxford. U. S. Dept. of Agr. Tech. Bul. 546. Jan. 1937.

Supt. of Doc., Wash. D. C., 10¢ (cash).

Technique used in tracing the Lindbergh kidnaping ladder, by Arthur Koehler. The Amer. Jour. Police Science, incorporated in The Jour. of Criminal Law & Criminology, V. 27, No. 5, 1937.

A visual method of distinguishing longleaf from shortleaf and loblolly pine. Technical Note 141, revised Jan. 1937.

WOOD UTILIZATION, LOGGING, AND MILLING

Chain saw for girdling, by J. B. Cuno. Jour. Forestry, May 1937.

- *Development of market for wood for Venetian blinds helped by use of suitable species, by G. C. Morbeck. Amer. Lumberman, June 5, 1937.
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- Same. South. Lumberman, May 1, 1937.
- Same. Timberman, May 1937.

Selection of wood for industrial uses, by R. P. A. Johnson. Amer. Soc. of Mech. Engrs. Trans., Apr. 1937.

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*Government publications of general interest on wood and trees. Technical Note D-6, revised May 1937.

*A list: Some books on wood. Mimeo. R399, revised Jan. 1937.

PUBLISHERS OF TRADE JOURNALS AND MAGAZINES INCLUDED IN REFERENCES

Amer. Builder & Building Age, 105 W. Adams St., Chicago, Ill.
 Amer. Forests, 919 - 17th St., NW., Washington, D. C.
 Amer. Home, 444 Madison Ave., New York City.
 Amer. Lumberman, 431 S. Dearborn St., Chicago, Ill.
 Amer. Society of Mechanical Engineers, 29 W. 39th St., New York City.
 Amer. Wood Preservers' Assn., 1427 Eye St., NW., Washington, D. C.
 Architectural Record, 119 W. 40th St., New York City.
 Canadian Woodworker & Furniture Mfr., 345 Adelaide St., Toronto, Can.
 Electrical News & Engineering, 347 Adelaide St., Toronto, Can.
 Forest Service Control Notes, Washington, D. C.
 Forestry News Digest, 1214 - 16th St., NW., Washington, D. C.
 Furniture Index, Jamestown, N. Y.
 Furniture Mfr., 342 Madison Ave., New York City.
 Gamble's Internatl. Naval Stores Yearbook, P. O. Box 736, Savannah, Ga.
 Hardwood Record, 537 S. Dearborn St., Chicago, Ill.
 Illinois Society of Architects, 520 N. Michigan, Chicago, Ill.
 Industrial Education Magazine, Pittsburg, Kans.
 Industrial & Engineering Chemistry, 706 Mills Bldg., Washington, D. C.
 Jour. of the Amer. Chemical Society, 12 Oxford St., Cambridge, Mass.
 Jour. of Criminal Law & Criminology, Northwestern University Press, Chicago, Ill.
 Jour. of Forestry, Mills Bldg., 17th & Penn. Ave., NW., Washington, D. C.
 Jour. of Physical Chemistry, Mills Bldg., Washington, D. C.
 Modern Plastics, 425 Fourth Ave., New York City.
 Pacific Purchasor, 433 California St., San Francisco, Calif.
 Pacific Retail Lumberman, 623 SW. Oak St., Portland, Ore.
 Paper Trade Jour., 15 W. 47th St., New York City.
 Pulp & Paper Magazine of Canada, Gardenvale, Q., Can.
 Southern Lumberman, Presbyterian Bldg., Nashville, Tenn.
 Timberman, 329 Oak St., Portland, Ore.
 Wisconsin Engineer, Madison, Wis.
 Wood Construction, Green & Market Sts., Xenia, Ohio.

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CHEMISTRY OF WOOD AND DERIVED PRODUCTS

Minimizing wood shrinkage and swelling:

*Pt. 4, Effect of heating in various gases, by A. J. Stamm and L. A. Hansen. Indus. & Eng. Chem., July 1937.

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*Pt. 5, Treatment with sucrose and invert sugar, by A. J. Stamm. Indus. & Eng. Chem., July 1937.

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*Rapid methods for the determination of holocellulose and Cross and Bevan cellulose in wood, by W. G. Van Beckum and G. J. Ritter. Paper Trade Jour., Oct. 28, 1937.

System of structural relationships in phytochemistry, by J. A. Hall. Chem. Reviews, June 1937.

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*Artificial resin glues for plywood. Mimeo. R1055, revised Sept. 1937.

The fading of painted surfaces, by F. L. Browne. Ry. Eng. & Maintenance, Sept. 1937.

*Proposed system for classifying house paints, by F. L. Browne. Indus. & Eng. Chem., Sept. 1937.

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*Vegetable (starch) glue, by Don Brouse. Mimeo. R30, revised Oct. 1937.

PULP AND PAPER

*Effect of the viscosity of the grinding medium in the mechanical pulping process, by E. R. Schafer and J. C. Pew. Paper Trade Jour., Oct. 28, 1937.

- *Grinding of loblolly pine: Relation of wood properties and grinding conditions to pulp and paper quality, by E. R. Schafer, J. C. Pew, and C. E. Curran. Paper Trade Jour., Nov. 18, 1937.
- *Frontiers of the southern pulp^{ing} industry, by C. E. Curran. Mimeo. R1141, May 1937.
- Profit in pulpwood from the upper portions of trees, by J. C. Cuno. Naval Stores Review, Dec. 25, 1937.
Same. South. Pine Assn., Southern Pine Forestry Note 39, 1937.
- *Sulphate pulping of longleaf pine: Effect of chemical-wood ratio on yield and quality of pulp, by M. W. Bray, J. S. Martin, and S. L. Schwartz. Paper Trade Jour., Dec. 9, 1937.
- Sulphate pulping of southern yellow pines: Effect of growth variables on yield and pulp quality, by M. W. Bray and C. E. Curran. Paper Trade Jour., Nov. 11, 1937.

SEASONING OF WOOD

- *Chemical seasoning of Douglas fir, by W. K. Loughborough. West Coast Lbrman., Sept. 1937. Mimeo. R1155.
Same. Barrel & Box & Packages, Dec. 1937.
- *Electrical moisture meters for wood, by M. E. Dunlap. Timberman, Oct. 1937.
Same. Mimeo. R1146.
- *Hardwood and softwood drying schedules. Tech. Note 175, revised Aug. 1937.
- *How heavy black walnut timbers were successfully kiln-dried without damage or distortion, by H. D. Tiemann. Wood Products, Oct. 1937.
Same. Epochal drying of heavy stock. Hardwood Record, Nov. 1937.
- Kiln temperatures for jack pine cones, by R. C. Rietz. Jour. Forestry, Dec. 1937.
- Kiln temperatures for northern white pine cones, by R. C. Rietz, Jour. Forestry, Sept. 1937.
- *Minimizing shrinking and swelling, by A. J. Stamm and R. M. Seborg. Furn. Index, Nov. 1937.
- *A wide-range vacuum-tube resistance bridge, by I. I. Davies. Instruments, Oct. 1937.

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- *Novel effects in wood at Paris exposition: Wood arches, girders and plywood in interesting roles, by L. J. Markwardt. Timberman. Nov. 1937.

*Rigidity and strength of frame walls sheathed with fiberboard, by G. E. Heck. Mimeo. R1151, Oct. 1937.

*Condensation in walls and attics, by L. V. Teesdale. Lbr. Cooperator, Nov. 1937.

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*Latest research findings incorporated in Forest Products Laboratory's new prefabricated plywood house. by R. F. Luxford. Timberman, Dec. 1937.

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*Old inner tubes used in low-cost fence post treatment. Mimeo. R1158, Nov. 1937.

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Comments on "Utilization of sawmill waste and sawdust for fuel, by J. H. Jenkins and F. W. Guernsey," by J. B. Cuno. Jour. Forestry, Sept. 1937.

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Handling and working of lumber for Venetian blinds. by G. C. Morbeck. Timberman, Dec. 1937.

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" South. Lbrman., Dec. 15, 1937.

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*Recent tests in planing southern and other hardwoods, by E. M. Davis. South. Lbrman., Dec. 15, 1937.

*Wooden mattresses for Old Man River, by E. M. Davis. Amer. Forests, Oct. 1937.

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*Some references on balsa and other light-weight woods. Mimeo. B1152, Oct. 1937.

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Same. Researches in wood. Natl. Hardwood Lbr. Assn. Yearbook, 1937.

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Chemical Reviews, Box 516 Grand Central Annex, New York City.

Colloid Symposium Monograph, Williams & Wilkins, Baltimore, Md.

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Hardwood Record, 537 S. Dearborn St., Chicago, Ill.

Industrial & Engineering Chemistry, 706 Mills Bldg., Washington, D. C.

Instruments, 1117 Wolfendale St., North Side Sta., Pittsburgh, Pa.

Jour. of Forestry, Mills Bldg., 17th & Penn. Ave., NW., Washington, D. C.

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Natl. Hardwood Lbr. Assn., 59 E. Van Buren St., Chicago, Ill.

Naval Stores Review, P.O. Box 736, Savannah, Ga.

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